

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316803

Luminaire Tested: **GAN-SA9B-740-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA9B-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52699 lumens  
Efficiency: N/A  
Efficacy: 140.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

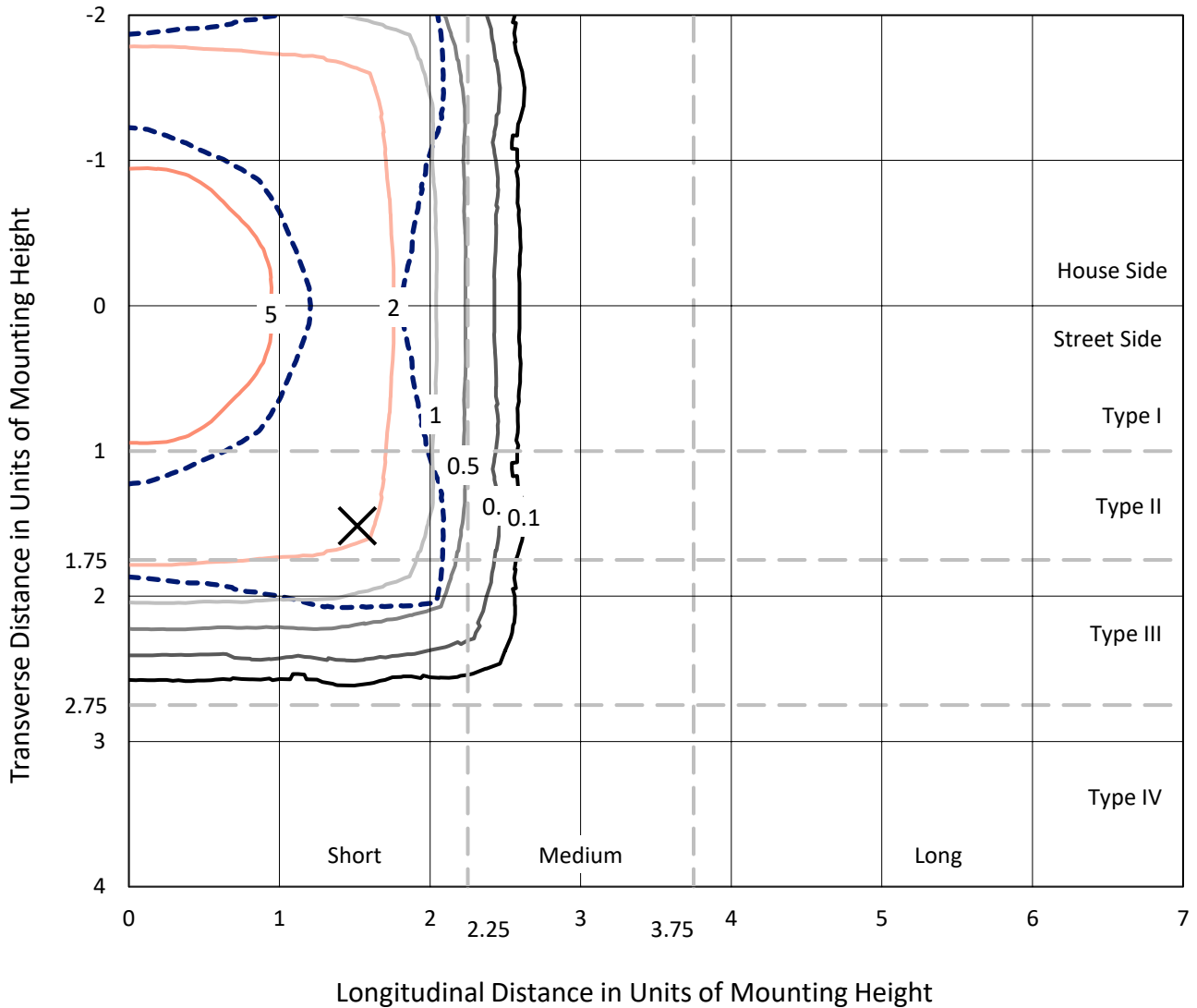
Input Watts (W): 374  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

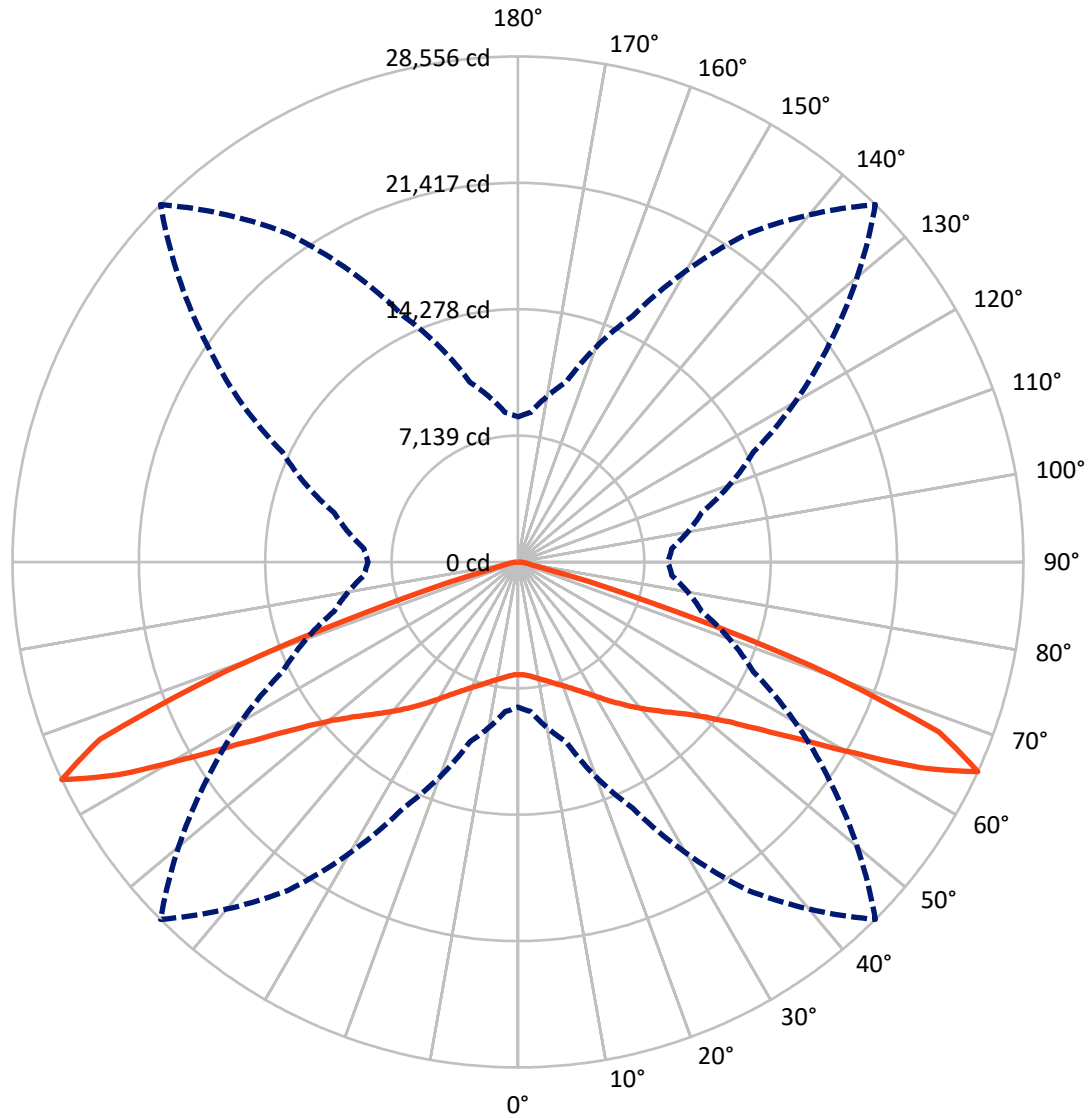
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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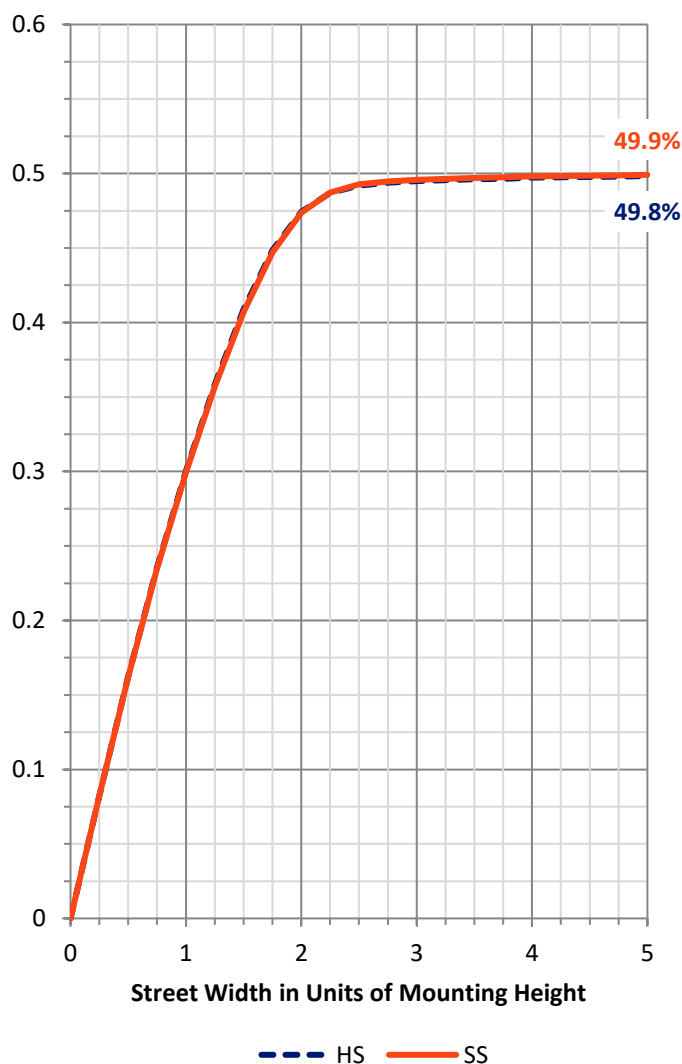
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26349.5	0.0	26349.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26349.5	0.0	26349.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52699.0	0.0	52699.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	624.4	1.2
10°-20°	2007.0	3.8
20°-30°	3765.5	7.1
30°-40°	6227.4	11.8
40°-50°	9645.4	18.3
50°-60°	14793.3	28.1
60°-70°	13803.8	26.2
70°-80°	1606.6	3.0
80°-90°	225.8	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	52699.0	100.0
0°-180°	52699.0	100.0

**Coefficient of Utilization**



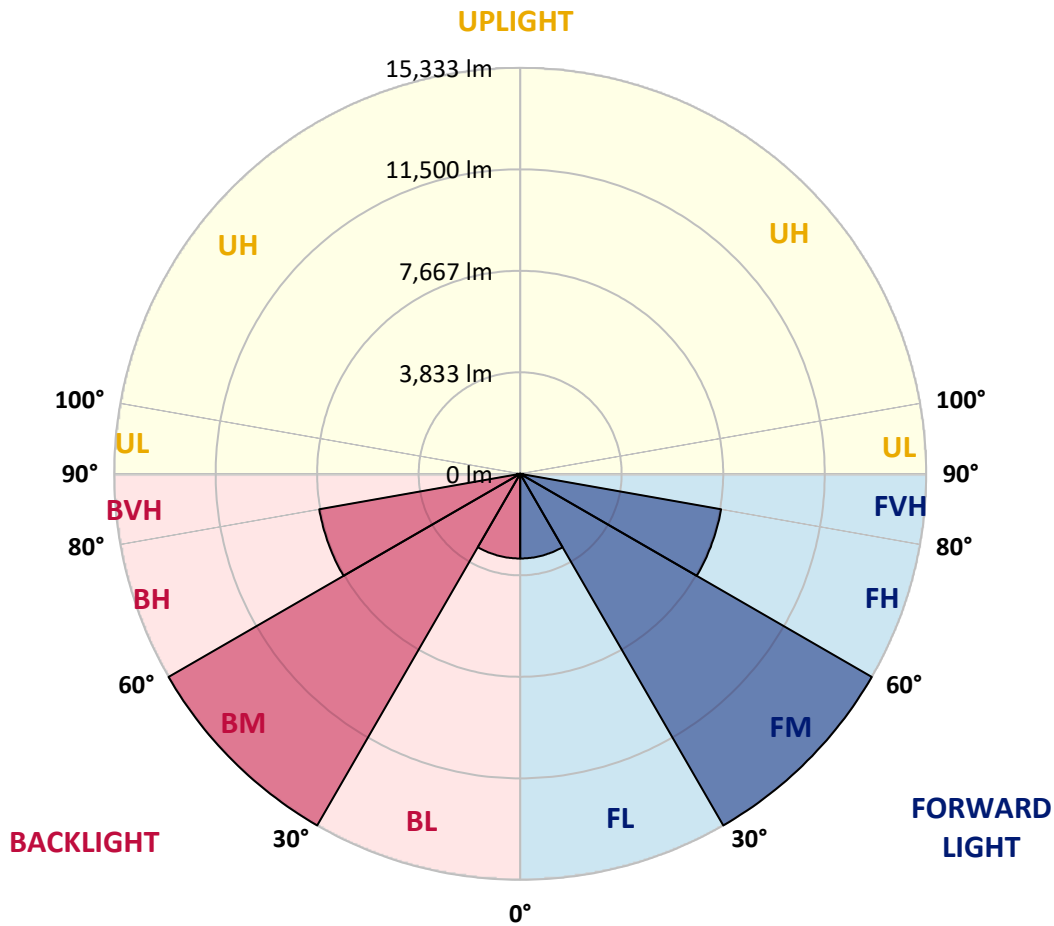
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3198.4	6.1			
FM (30°-60°)	15333.0	29.1			
FH (60°-80°)	7705.2	14.6			G4/12000
FVH (80°-90°)	112.9	0.2			G2/225
BL (0°-30°)	3198.4	6.1	B4/5000		
BM (30°-60°)	15333.0	29.1	B5		
BH (60°-80°)	7705.2	14.6	B5		G4/12000
BVH (80°-90°)	112.9	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1	6364.1
2.5°	6385.1	6381.6	6385.1	6386.8	6376.3	6381.6	6379.8	6388.6	6392.1	6388.6	6388.6
5°	6458.5	6453.3	6460.3	6469.0	6455.0	6458.5	6453.3	6463.8	6467.3	6460.3	6465.5
7.5°	6560.0	6561.7	6568.7	6584.5	6575.7	6582.7	6572.2	6574.0	6572.2	6561.7	6563.5
10°	6670.2	6672.0	6684.2	6705.2	6708.7	6708.7	6701.7	6696.4	6689.4	6682.5	6684.2
12.5°	6803.2	6811.9	6820.6	6846.9	6846.9	6860.9	6857.4	6843.4	6831.1	6820.6	6820.6
15°	6983.3	6981.6	6992.1	7018.3	7030.6	7053.3	7053.3	7034.1	7018.3	7007.8	7004.3
17.5°	7172.3	7177.5	7184.5	7216.0	7235.2	7261.5	7265.0	7249.2	7238.7	7224.7	7216.0
20°	7392.7	7401.4	7429.4	7441.7	7459.2	7483.6	7492.4	7488.9	7478.4	7471.4	7473.1
22.5°	7649.8	7672.6	7690.1	7707.6	7728.6	7746.0	7754.8	7767.0	7756.5	7751.3	7747.8
25°	7961.2	7977.0	8011.9	8043.4	8057.4	8062.7	8073.2	8090.7	8088.9	8076.7	8076.7
27.5°	8314.6	8344.3	8388.0	8433.5	8433.5	8416.0	8451.0	8480.8	8470.3	8454.5	8433.5
30°	8743.2	8771.2	8821.9	8884.9	8853.4	8841.1	8888.4	8942.6	8926.8	8900.6	8897.1
32.5°	9205.0	9231.2	9297.7	9365.9	9325.7	9308.2	9358.9	9437.6	9409.7	9357.2	9325.7
35°	9705.3	9731.5	9826.0	9908.2	9840.0	9810.3	9852.2	9938.0	9889.0	9791.0	9766.5
37.5°	10249.3	10263.3	10385.8	10469.8	10422.5	10343.8	10396.3	10459.3	10417.3	10298.3	10251.1
40°	10814.4	10865.1	11006.8	11104.8	11022.5	10898.3	10985.8	11073.3	11010.3	10858.1	10777.6
42.5°	11473.9	11512.4	11701.3	11788.8	11655.8	11480.9	11599.8	11718.8	11655.8	11508.9	11438.9
45°	12159.6	12219.1	12444.8	12532.2	12339.8	12117.6	12262.8	12471.0	12465.7	12254.1	12180.6
47.5°	12906.6	12966.1	13235.4	13350.9	13142.7	12845.3	13050.0	13343.9	13322.9	13090.3	13030.8
50°	13769.0	13832.0	14167.8	14313.0	14118.9	13772.5	14080.4	14339.3	14300.8	14013.9	14019.2
52.5°	14851.8	14848.3	15266.4	15518.3	15318.9	15012.8	15296.2	15548.1	15388.9	14991.8	14979.5
55°	15800.0	15857.7	16375.5	16853.1	16840.8	16723.6	16837.3	16847.8	16393.0	15864.7	15800.0
57.5°	16422.7	16532.9	17262.4	18126.6	18773.8	18929.5	18709.1	18040.9	16975.5	16130.6	16027.4
60°	16039.6	16207.6	17353.4	19115.0	21021.7	21936.6	20692.9	18619.9	16522.4	15345.1	15205.2
62.5°	13454.1	13737.5	15415.1	18637.4	22956.5	25631.2	22130.8	17691.0	14720.6	13099.0	12859.3
65°	8193.9	8493.0	10515.2	15339.9	22643.4	28556.1	21474.8	14683.9	10744.4	8727.4	8468.5
67.5°	2730.7	2818.2	4009.5	8479.0	17796.0	25657.5	17825.7	8790.4	4676.0	3099.8	3008.9
70°	1068.8	1077.6	1271.8	2457.8	8403.8	17622.8	9273.2	2501.5	1329.5	1051.3	1074.1
72.5°	785.5	788.9	843.2	1026.9	2190.2	7763.5	2268.9	1032.1	820.4	736.5	736.5
75°	631.5	631.5	670.0	748.7	981.4	1780.8	995.4	740.0	642.0	587.8	580.8
77.5°	498.6	509.1	538.8	589.5	664.7	857.2	689.2	586.0	517.8	467.1	456.6
80°	370.9	381.4	430.3	454.8	477.6	594.8	509.1	458.3	409.3	349.9	339.4
82.5°	243.2	253.7	314.9	328.9	323.6	388.4	342.9	337.6	300.9	225.7	215.2
85°	159.2	162.7	209.9	218.7	201.2	176.7	218.7	230.9	209.9	146.9	141.7
87.5°	75.2	75.2	106.7	99.7	91.0	73.5	99.7	117.2	119.0	71.7	70.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)